

L4 ANSWER 386 OF 561 CA COPYRIGHT 2004 ACS on STN
 AN 110:120184 CA
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 TI Hydraulic cement with high durability and strength
 IN Uchida, Shunichiro; Habara, Toshisuke
 PA Onoda Cement Co., Ltd., Japan
 SO Jpn. Kokai Tokkyo Koho, 8 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 IC ICM C04B007-345
 CC 58-1 (Cement, Concrete, and Related Building Materials)
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 63248751	A2	19881017	JP 1987-79717	19870402
PRAI	JP 1987-79717		19870402		

AB The hydraulic cement contains $11\text{Ca}0.7\text{Al}2\text{O}3.\text{CaX}2$ ($X = \text{halogen}$) 5-30, anhydrite 5-30, $\text{Al}(\text{OH})3$ and/or $\text{Al}2(\text{SO}4)3$ 0.5-10%, and balance Ca silicate and/or siliceous powder at a $(\text{CaO}-3\text{Al}2\text{O}3-\text{SO}3)/\text{SiO}2$ mol ratio .ltoreq.1.7. Thus, cement, comprising $11\text{Ca}0.7\text{Al}2\text{O}3.\text{CaF}2$ 13, C3S 27, blast-furnace slag 40, anhydrite 19, and $\text{Al}(\text{OH})3$ 1 wt.%, was mixed with sand, alkali-resistant glass fiber, Mighty 150, $\text{HNO}3$ (as setting retardant), and water, molded, and hardened to give a cement product having initial, 7-, and 91-day bending strength 240, 320, 290 kg/cm², resp.

ST calcium aluminate hydraulic cement; silicate calcium hydraulic cement; anhydrite hydraulic cement; aluminum hydrixodde hydraulic cement; blast furnace slag hydraulic cement

IT Glass fibers, uses and miscellaneous

RL: USES (Uses)

(cement reinforced with, manuf. of